
Subject: Centos 6.2 + 2x eth (eth0, eth1) problem URGENT: (

Posted by [luna](#) on Thu, 19 Apr 2012 15:39:05 GMT

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I have a server with CentOS 5.5 +, for him there are two network cards, eth0 for addressing the public and eth1 for local addressing, both cards plugged in physically separate networks, and administrative access network, both networks can communicate through a router that is properly set.

Normal configuration of two gates, the gate is defective route to the gateway for addressing local, and this configuration is working properly.

The problem is in Centos 6 +, is set like the other servers, and only works addressing local, when I change the default gw route to the gate for addressing the public but the public does not work local, network cards are individually set the gate in the configuration files.

The problem occurs only in version 6 +
Please help.

////////////////////////////////////

Information for network problems.

```
== BEGIN uname -rmi ==
2.6.32-042stab053.5 x86_64 x86_64
== END  uname -rmi ==
```

```
== BEGIN rpm -qa \*-release\* ==
centos-release-6-2.el6.centos.7.x86_64
== END  rpm -qa \*-release\* ==
```

```
== BEGIN cat /etc/redhat-release ==
CentOS release 6.2 (Final)
== END  cat /etc/redhat-release ==
```

```
== BEGIN getenforce ==
Disabled
== END  getenforce ==
```

```
== BEGIN free -m ==
      total    used    free   shared  buffers   cached
Mem:      7812    4800    3012      0        9     379
-/+ buffers/cache:    4411    3401
Swap:      4999     516    4483
== END  free -m ==
```

```
== BEGIN lspci -nn ==
00:00.0 Host bridge [0600]: Intel Corporation Core Processor DMI [8086:d130] (rev 11)
```

```

00:08.0 System peripheral [0880]: Intel Corporation Core Processor System Management
Registers [8086:d155] (rev 11)
00:08.1 System peripheral [0880]: Intel Corporation Core Processor Semaphore and Scratchpad
Registers [8086:d156] (rev 11)
00:08.2 System peripheral [0880]: Intel Corporation Core Processor System Control and Status
Registers [8086:d157] (rev 11)
00:08.3 System peripheral [0880]: Intel Corporation Core Processor Miscellaneous Registers
[8086:d158] (rev 11)
00:10.0 System peripheral [0880]: Intel Corporation Core Processor QPI Link [8086:d150] (rev 11)
00:10.1 System peripheral [0880]: Intel Corporation Core Processor QPI Routing and Protocol
Registers [8086:d151] (rev 11)
00:19.0 Ethernet controller [0200]: Intel Corporation 82578DM Gigabit Network Connection
[8086:10ef] (rev 05)
00:1a.0 USB controller [0c03]: Intel Corporation 5 Series/3400 Series Chipset USB2 Enhanced
Host Controller [8086:3b3c] (rev 05)
00:1c.0 PCI bridge [0604]: Intel Corporation 5 Series/3400 Series Chipset PCI Express Root Port
1 [8086:3b42] (rev 05)
00:1c.4 PCI bridge [0604]: Intel Corporation 5 Series/3400 Series Chipset PCI Express Root Port
5 [8086:3b4a] (rev 05)
00:1c.6 PCI bridge [0604]: Intel Corporation 5 Series/3400 Series Chipset PCI Express Root Port
7 [8086:3b4e] (rev 05)
00:1c.7 PCI bridge [0604]: Intel Corporation 5 Series/3400 Series Chipset PCI Express Root Port
8 [8086:3b50] (rev 05)
00:1d.0 USB controller [0c03]: Intel Corporation 5 Series/3400 Series Chipset USB2 Enhanced
Host Controller [8086:3b34] (rev 05)
00:1e.0 PCI bridge [0604]: Intel Corporation 82801 PCI Bridge [8086:244e] (rev a5)
00:1f.0 ISA bridge [0601]: Intel Corporation 3400 Series Chipset LPC Interface Controller
[8086:3b14] (rev 05)
00:1f.2 RAID bus controller [0104]: Intel Corporation 82801 SATA Controller [RAID mode]
[8086:2822] (rev 05)
00:1f.3 SMBus [0c05]: Intel Corporation 5 Series/3400 Series Chipset SMBus Controller
[8086:3b30] (rev 05)
02:00.0 Ethernet controller [0200]: Intel Corporation 82574L Gigabit Network Connection
[8086:10d3]
05:03.0 VGA compatible controller [0300]: Silicon Motion, Inc. SM712 LynxEM+ [126f:0712] (rev
b0)
== END lspci -nn ==

== BEGIN lsusb ==
Bus 001 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
Bus 002 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
Bus 001 Device 002: ID 8087:0020 Intel Corp. Integrated Rate Matching Hub
Bus 002 Device 002: ID 8087:0020 Intel Corp. Integrated Rate Matching Hub
Bus 001 Device 003: ID 0a81:0101 Chesen Electronics Corp. Keyboard
Bus 002 Device 012: ID 093a:2510 Pixart Imaging, Inc. Optical Mouse
== END lsusb ==

== BEGIN rpm -qa kmod\* kmdl\* ==

```

```
== END rpm -qa kmod\* kmdl\* ==
```

```
== BEGIN ifconfig -a ==
```

```
eth0    Link encap:Ethernet HWaddr 00:15:17:FE:61:0F
        inet addr:91.217.X.3 Bcast:91.217.X.255 Mask:255.255.255.0
        inet6 addr: fe80::215:X:X:610f/64 Scope:Link
        UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
        RX packets:144556 errors:0 dropped:0 overruns:0 frame:0
        TX packets:131296 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:1000
        RX bytes:12865800 (12.2 MiB) TX bytes:9150914 (8.7 MiB)
        Interrupt:16 Memory:b1100000-b1120000
```

```
eth1    Link encap:Ethernet HWaddr 00:15:17:FE:61:0E
        inet addr:172.16.20.1 Bcast:172.31.255.255 Mask:255.240.0.0
        inet6 addr: fe80::215:X:X:610e/64 Scope:Link
        UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
        RX packets:14746453 errors:0 dropped:0 overruns:0 frame:0
        TX packets:41379034 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:1000
        RX bytes:3623200792 (3.3 GiB) TX bytes:52596893006 (48.9 GiB)
        Interrupt:16 Memory:b1000000-b1020000
```

```
lo      Link encap:Local Loopback
        inet addr:127.0.0.1 Mask:255.0.0.0
        inet6 addr: ::1/128 Scope:Host
        UP LOOPBACK RUNNING MTU:16436 Metric:1
        RX packets:33758484 errors:0 dropped:0 overruns:0 frame:0
        TX packets:33758484 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:0
        RX bytes:48206771196 (44.8 GiB) TX bytes:48206771196 (44.8 GiB)
```

```
venet0  Link encap:UNSPEC HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
        inet6 addr: fe80::1/128 Scope:Link
        UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1
        RX packets:207414970 errors:0 dropped:0 overruns:0 frame:0
        TX packets:218291922 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:0
        RX bytes:99898250735 (93.0 GiB) TX bytes:138246058117 (128.7 GiB)
```

```
== END ifconfig -a ==
```

```
== BEGIN brctl show ==
```

```
bridge name bridge id STP enabled interfaces
```

```
== END brctl show ==
```

```
== BEGIN route -n ==
```

```
Kernel IP routing table
```

Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
172.16.22.1	0.0.0.0	255.255.255.255	UH	0	0	0	venet0
192.168.1.5	0.0.0.0	255.255.255.255	UH	0	0	0	venet0
172.16.25.1	0.0.0.0	255.255.255.255	UH	0	0	0	venet0
172.16.29.1	0.0.0.0	255.255.255.255	UH	0	0	0	venet0
91.217.X.0	0.0.0.0	255.255.255.0	U	0	0	0	eth0
169.254.0.0	0.0.0.0	255.255.0.0	U	1002	0	0	eth0
169.254.0.0	0.0.0.0	255.255.0.0	U	1003	0	0	eth1
172.16.0.0	0.0.0.0	255.240.0.0	U	0	0	0	eth1
0.0.0.0	172.16.0.1	0.0.0.0	UG	0	0	0	eth1

== END route -n ==

```
== BEGIN cat /etc/resolv.conf ==
nameserver 62.233.233.233
nameserver 8.8.8.8
nameserver 91.217.X.10
== END cat /etc/resolv.conf ==
```

```
== BEGIN grep net /etc/nsswitch.conf ==
#networks: nisplus [NOTFOUND=return] files
#netmasks: nisplus [NOTFOUND=return] files
netmasks: files
networks: files
netgroup: nisplus
== END grep net /etc/nsswitch.conf ==
```

```
== BEGIN chkconfig --list | grep -Ei 'network|wpa' ==
matahari-network 0:off 1:off 2:off 3:off 4:off 5:off 6:off
network          0:off 1:off 2:on 3:on 4:on 5:on 6:off
== END chkconfig --list | grep -Ei 'network|wpa' ==
```